

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously amended) A tribonectin comprising a boundary-lubricating amount of a polypeptide, said polypeptide comprising the amino acid sequence of SEQ ID NO:1 and at least one O-linked oligosaccharide moiety.
2. (previously amended) The tribonectin of claim 1, wherein said moiety is a $\beta(1-3)$ Gal-GalNAc moiety.
3. – 9. (canceled)
10. (presently amended) The tribonectin of claim 1, wherein said ~~tribonectin~~ O-linked oligosaccharide moiety of said polypeptide reduces the coefficient of friction between bearing surfaces.
11. (previously amended) The tribonectin of claim 1, wherein said tribonectin is characterized as reducing the coefficient of friction between bearing surfaces in vitro.
12. (previously amended) The tribonectin of claim 1, wherein said tribonectin is characterized as reducing the coefficient of friction between bearing surfaces in vivo.
13. (previously amended) The tribonectin of claim 1, wherein addition of said tribonectin to a solution does not increase the viscosity of said solution by more than 10%.

14 – 15. (canceled)

16. (previously amended) The tribonectin of claim 1, wherein at least 10% of said tribonectin is glycosylated by said O-linked oligosaccharide moiety.

17. (previously amended) The tribonectin of claim 1, wherein at least 40% of said tribonectin is glycosylated by said O-linked oligosaccharide moiety.

18. (previously amended) The tribonectin of claim 19, wherein the molecular weight of said tribonectin is in the range of 200-280 kDa.

19. -39. (canceled)

40. (presently amended) A biocompatible composition comprising a tribonectin, wherein said composition is in the form of a film, membrane, foam, gel, or fiber.

41. (presently amended) The composition of claim 40, wherein said ~~tribonectin~~ composition is in the form of a membrane, foam, gel, or fiber.

42-54. (canceled)

55. (previously amended) The tribonectin of claim 1, further comprising hyaluronic acid.

56. (presently amended) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 2, 3, 4, and 6-12 of a human megakaryocyte stimulating factor ~~MSF~~ gene.

57. (presently amended) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 2, 3, and 6-12 of a human megakaryocyte stimulating factor ~~MSF~~ gene.

58. (presently amended) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 3, and 6-12 of a human megakaryocyte stimulating factor ~~MSF~~ gene.

59. (presently amended) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1 and 6-12 of a human megakaryocyte stimulating factor ~~MSF~~ gene.